



DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **JTAG MIRRORING CIRCUITRY AND METHODS** the specification of which was filed on June 12, 2001 as Application No. 09/880,749.

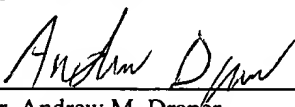
I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/211,094	June 12, 2000

Full Name of Inventor 1:	Last Name: DRAPER	First Name: ANDREW	Middle Name or Initial: M.
Residence & Citizenship:	City: Chesham, Bucks	State/Foreign Country: United Kingdom	Country of Citizenship: United Kingdom
Post Office Address:	Post Office Address: 19 Queens Road	City: Chesham, Bucks	State/Country: United Kingdom
			Postal Code:

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Mr. Andrew M. Draper
Date 18-9-2001



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PTO/SB/96 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Attorney Docket No. 15114-053600US

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Andrew M. Draper

Application No./Patent No.: 09/880,749

Filed/Issue Date: June 12, 2001

Entitled: JTAG MIRRORING CIRCUITRY AND METHODS

Altera Corporation, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

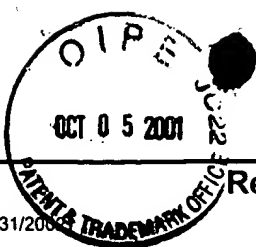
9/21/01
Date

C. Wendell Bergere
Signature

C. Wendell Bergere
Typed or printed name

General Counsel and Secretary
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. PA 3165123 v1



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Attorney Docket No. 015114-053600US

Form PTO-1595

(Rev. 03-01)

OMB No. 0651-0027 (exp. 5/31/2005)

**Recordation Form Cover Sheet
PATENTS ONLY**U.S. Department of Commerce
U.S. Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Andrew M. Draper

Additional name(s) of conveying parties attached? ☐ Yes ☐ No.**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Execution Date: September 9, 2001**2. Name and address of receiving party(ies)**Name: Altera Corporation

Internal Address: _____

Street Address: 101 Innovation DriveCity: San Jose State: CA ZIP: 95134Additional names and addresses attached? ☐ Yes ☒ No**4. Application number(s) or patent number(s).**

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s): 09/880,749

B. Patent No(s): _____

Additional numbers attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: Steven Cahill
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

6. Total number of applications and patents involved 17. Total fee (37 CFR 3.41): _____ \$40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 20-1430

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE**9. Statement and signature.***To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*Steven CahillName of Person Signing
Atty. Reg. No. 44,578

Signature

September 26, 2001

Date

Total number of pages including cover sheet, attachments and document 2

Mail documents to be recorded with required cover to:
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Washington, D.C. 20231



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Attorney Docket No.: 015114-053600US
Client Reference No.: A620

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, Andrew M. Draper, of 19 Queens Road, Chesham, Bucks, United Kingdom; hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: JTAG MIRRORING CIRCUITRY AND METHODS

Date(s) of execution of Declaration: 18 September 2001

Filing Date: June 12, 2001

Application No.: 09/880,749; and

WHEREAS, Altera Corporation, a corporation of the state of Delaware, located at, 101 Innovation Drive, San Jose, CA, 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

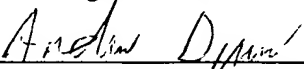
For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

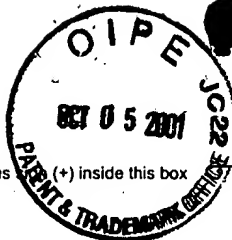
Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 18-9-2001



Andrew M. Draper



Please type a plus (+) inside this box



PTO/SB/81 (02-01)
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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/880,749
	Filing Date	June 12, 2001
	First Named Inventor	Andrew M. Draper
	Title	JTAG Mirroring Circuitry and Methods
	Group Art Unit	2858
	Examiner Name	Unassigned
	Attorney Docket Number	15114-053600US

I hereby appoint:

☒ Practitioners at Customer Number
OR

26059

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☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	C. Wendell Bergere, General Counsel and Secretary
Signature	
Date	9/21/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

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